

REMARKS

The application has been amended and is believed to be in condition for allowance.

The claims have been amended.

The previous pending claims were rejected as anticipated by WOLFF 6,738,841. The present claims are believed patentable, in particular over WOLFF.

To understand the differences between the recited invention and WOLFF, it will be useful to review the disclosure of WOLFF which is directed to the field of printer peripheral devices used in conjunction with interconnected networks, to directly controlling a printer via existing protocols used to access documents on the network.

In the BACKGROUND OF THE INVENTION section, WOLFF teaches that the internet removes economic barriers associated with printing and distributing (multi-media) documents, allowing individuals to become "publishers"; that it may become the common for companies and individuals to publish both their external and internal documents via the internet. In the prior art of WOLFF, peripheral devices were connected to the internet via computers, as shown in Figure 1.

WOLFF discloses a printer coupled to and for use with a network providing access to interconnected, on-line documents in response to document requests. In summary, WOLFF teaches that a

network printer is coupled to a network and is able to respond to requests from the network, including from the internet.

With reference to Figure 2, there is disclosed a printer 250 connected to a network 200 (e.g., the internet), as well as client 210 and servers 220 and 230. Client 210 requests documents from servers coupled to the network by, e.g., a browser that permits a user to access documents over network 200 that are located on servers 220 and 230. Printer 250 may be used to print a document requested by a user at client 210.

Beginning at the top of column 6, it is disclosed that a user requests, via client 210, that an HTML document be printed on printer 250, the user sends a request for the document to printer driver 255 within printer 250. Printer driver 255 obtains the document from a server (220, 230) and prints the requested document.

Figure 9 illustrates another WOLFF embodiment wherein the network 200 also includes a personal digital assistant (PDA) 930 implemented as a web browser. Server 920 provides data to PDA 930 and printer 250 over network 200 to a user in response to requests from the user via PDA 930. It is disclosed that PDA 930 may be a small mobile hand-held device that provides computing and information storage and retrieval capabilities for personal or business use with an operating system that includes a browser that facilitates wireless network access.

Thus, WOLFF teaches the basic use of a network printer, including wireless access to the network.

In contrast, the present invention provides in-net printing for instructing a printer to print the data on a network from a portable terminal, with lesser load being placed on the network printer. See specification page 5 disclosing that an object of the present invention is to provide an in-net printing system that can provide the service without any burden on a printer.

In the inventive system, the portable terminal obtains a read data from the network server system (located on the internet) and outputs a print request to the printer system to print the read data and at the same time notifies the network server system of the print request.

Advantageously, in the inventive method, the print request includes address data of where the read data is located on the internet, e.g., an address such as <http://www.aaa.com>.

Beginning at the top of specification page 14, there is disclosed that the portable terminal user executes a print command data 21 by inputting it at a key section 19 of the portable terminal 1. The portable terminal 1 transmits the print command data 21 together with the access data 24 (composed of the contractor ID/password 16 and the address data 17) to the printer. At the same time, the portable terminal 1 transmits the access data 24 (the contractor ID/password 16 and the address

data 17) to the network server 8. Thus, the print request comprises a first part sent to the printer and a second part sent to the network server.

The printer system 3 transmits a transfer command data (composed of the print data transfer request 23, the printer ID data 22, the contractor ID/password 16 and the address data 17), via the network connection provider 18.

The network connection provider 18 charges the fee to the user corresponding to the portable terminal 1, based on the access data 24. The fee is for the service provided by converting the read data 11 into the printable data 12 and/or transferring the printable data 12 (for the support of obtaining said printable data12). The access data (composed of the contractor ID/password 16 and the address data 17) is the unique data unique to the read data 11.

This reduces load on the network printer and assures that the user is properly charged. As per specification page 18, the simultaneous transmission of the charging data (the contractor ID/password 16) enables the data obtainment and the payment to be done at the same time, and thereby enables the charging operation to be simplified. The charging data (the contractor ID/password 16) is directly transmitted from the portable terminal 1 to the server of the network connection provider 18, and simultaneously jointly transmitted through the printer system 3 to the server of the network connection provider

18. The server of the network connection provider 18 confirms the agreement between the charging data (the contractor ID/password 16) transmitted from both the routes and then reserves the sureness of the information service. For this charging operation, it is possible to use only one of the charging data (the contractor ID/password 16) transmitted from both the routes.

Although WOLFF teaches basic network printer, there is no teaching of the advantageous features recited by the presently presented claims, e.g., the portable terminal, after obtaining a read data from a network server system, wirelessly outputs i) a print request to a printer system and ii), at the same time, transmits the identification and password (16) and the address data 17) through said network to the network server system. As recited, the print request comprises an order command data composed of a print command data (21), an identification and password (16), and an internet address data (17) identifying an internet URL location where the read data is located.

Thus, claim 1 is believed patentable.

Similarly, WOLFF does not teach a method comprising outputting a order command data showing a request for printing said read data from said portable terminal to a printer system and also outputting the order command data from said portable terminal to said network server system. Nor does WOLFF disclose a printing fee charged based on the order command data sent by

said portable terminal to the network server system. Thus, claim 2 is also believed to be patentable.

WOLFF also does not teach a printer system comprising a wireless section which receives wireless print order command data, that shows a request for printing read data obtained from a network server system located on the internet, the print order command data comprising a print command data (21), an identification and password (16), and an internet address data (17) identifying an internet URL location where the read data is located.

Claims 18-19 are also believed to recite patentable features of the present invention, i.e., wherein, a network connection provider (18) charges the printing fee to a user corresponding to the portable terminal, based on access data containing within the order command data sent from the portable terminal to the network server system, the access data comprising a user ID and password and address data of the network server system hosting the read data.

For each of these reasons, the claims are believed to be patentable.

In view of the above, reconsideration and allowance of all the pending claims are respectfully requested.

Applicant believes that the present application is in condition for allowance and an early indication of the same is respectfully requested.

The Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 25-0120 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17.

Respectfully submitted,

YOUNG & THOMPSON



Roland E. Long, Jr., Reg. (No) 41,949
745 South 23rd Street
Arlington, VA 22202
Telephone (703) 521-2297
Telefax (703) 685-0573
(703) 979-4709

REL/mjr